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NEWS 3 Feb 06 Engineering Information Encompass files have new names
NEWS 4 Feb 16 TOXLINE no longer being updated
NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
NEWS 7 May 07 DGENE Reload
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
DWPI and DPCI
NEWS 10 Aug 23 In-process records and more frequent updates now in
MEDLINE
NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
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FILE 'HOME' ENTERED AT 14:05:32 ON 31 AUG 2001

=> file agricola caplus biosis

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FILE 'AGRICOLA' ENTERED AT 14:05:40 ON 31 AUG 2001

FILE 'CAPLUS' ENTERED AT 14:05:40 ON 31 AUG 2001
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FILE 'BIOSIS' ENTERED AT 14:05:40 ON 31 AUG 2001
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=> s lateral suppressor

L1 29 LATERAL SUPPRESSOR

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 17 DUP REM L1 (12 DUPLICATES REMOVED)

=> d 1-10 ti

L2 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 1
TI Comparative sequence analysis reveals extensive microcolinearity in the
lateral suppressor regions of the tomato, Arabidopsis,
and Capsella genomes

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI Determining mechanism of branching structures in plants

L2 ANSWER 3 OF 17 AGRICOLA DUPLICATE 2
TI The **Lateral suppressor** (Ls) gene of tomato encodes a
new member of the VHIID protein family.

L2 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
TI Genetic control of cell division patterns in developing plants.

L2 ANSWER 5 OF 17 AGRICOLA DUPLICATE 3
TI Genetic and physical mapping of the **lateral suppressor**
(ls) locus in tomato.

L2 ANSWER 6 OF 17 AGRICOLA DUPLICATE 4
TI Increase of endogenous zeatin riboside by introduction of the ipt gene in
wild type and the **lateral suppressor** mutant of tomato.

L2 ANSWER 7 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
TI Seed and fruit set of the **lateral suppressor** mutant of
tomato.

L2 ANSWER 8 OF 17 AGRICOLA
TI Effect of **lateral suppressor** on petal initiation in
tomato.

L2 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 5
TI Immunocytochemical localization of cytokinins in Craigella tomato and a
sideshootless mutant

L2 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2001 ACS
TI A new methodological approach for phytohormone quantitation by
immunological techniques. Application to the morphogenesis of the
tomato,
Lycopersicon esculentum Mill., cv. Craigella and a **lateral**
suppressor mutant

=> d so

L2 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 1
SO Plant Cell (2001), 13(4), 979-988

=> d 2 so

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
SO Shokubutsu Saibo Kogaku Shirizu (2000), 12(Shinpan Shokubutsu no Katachi
O Kimeru Bunshi Kiko), 89-91
CODEN: SSKSFR

=> d 2

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 2000:127977 CAPLUS
DN 133:40466
TI Determining mechanism of branching structures in plants
AU Takatsuji, Hiroshi
CS National Institute of Agricultural Resources, Ministry of Agriculture,
Forestry and Fishery, Japan
SO Shokubutsu Saibo Kogaku Shirizu (2000), 12(Shinpan Shokubutsu no Katachi
O Kimeru Bunshi Kiko), 89-91
CODEN: SSKSFR
PB Shujunsha
DT Journal; General Review
LA Japanese

=> d 2 ab

L2 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
AB A review with 10 refs. on plant genes that are assocd. with regulation of
branching. Corn Teosinte branched 1 (Tb1), tomato **Lateral
suppressor**, and Petunia PetSPL3 were discussed.

=> d 4 ab

L2 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS

=> d 4 so

L2 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
SO Cell, (1997) Vol. 88, No. 3, pp. 299-308.
ISSN: 0092-8674.

=> d 7 ab

L2 ANSWER 7 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
AB The **lateral suppressor** mutant (Is) of tomato, mainly
characterised by the suppression of axillary shoot development, exhibits
reduced fruit growth, thereby limiting its use in tomato production. In
this study male and female fertility, seed and fruit set have been
investigated in detail. Mutant flowers produced less pollen. Pollinations
with wild type pollen showed that mutant flowers exhibit reduced female
fertility. With the Is mutant, reduced fruit weight due to decreased seed

numbers was partly compensated by an additional stimulus of fruit growth, since mutant fruits were heavier than wild type fruits, when fruits with similar amounts of seeds were compared.

=> d 7 so

L2 ANSWER 7 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
SO Scientia Horticulturae (Amsterdam), (1994) Vol. 59, No. 2, pp. 157-162.
ISSN: 0304-4238.

=> d 9 ab

L2 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 5
AB Post-embedding immunocytochem. techniques using peroxidase-antiperoxidase or IgG-gold as markers were used for the localization of cytokinins (CKs) in two isogenic lines, Craigella (C) and Craigella **lateral suppressor** (Cls), of tomato Lycopersicon esculentum. Terminal buds, nodes, hypocotyl segments, and root tips were submitted to a periodate-borohydride procedure, to obtain the coupling of isopentenyladenosine and zeatin riboside to cellular proteins, followed by a fixative step with a paraformaldehyde and glutaraldehyde mixt. ELISA tests performed on ovalbumin-coated microtitration plates have shown that this method was effective for CK riboside and base coupling to proteins. Paraffin-wax- or Spurr's-resin-embedded sections were cleared of wax or resin before incubation with anti-zeatin riboside or anti-isopentenyladenosine antibodies. The procedure was thoroughly investigated and many controls were done in order to eliminate artifacts. The immunostaining patterns obsd. along the plants showed a basipetally decreasing gradient of CKs along the stem and in the roots. Immunolabeling was higher in the actively growing regions of the stem bud and root apices. Terminal buds of Cls appeared to be less immunoreactive than C, whereas no differences were detected in root-tip immunolabeling. The staining patterns are consistent with the idea that root and bud apices have a different CK metab. The absence of axillary bud formation in Cls is correlated with low CK levels in the organogenesis sites.

=> d 11-17 ti

L2 ANSWER 11 OF 17 AGRICOLA DUPLICATE 6
TI Endogenous levels of abscisic acid, indole-3-acetic acid, zeatin and zeatin-riboside during the course of adventitious root formation in cuttings of Craigella and Craigella **lateral suppressor** tomatoes.

L2 ANSWER 12 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
TI ENDOGENOUS LEVELS OF ABSCISIC ACID IAA ZEATIN AND ZEATIN RIBOSIDE DURING THE COURSE OF ADVENTITIOUS ROOT FORMATION IN CUTTINGS OF CULTIVAR CRAIGELLA AND CRAIGELLA **LATERAL SUPPRESSOR** TOMATOES LYCOPERSICON-ESCULENTUM.

L2 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 7
TI The genetic relationship between the tomato mutants, flacca and **lateral suppressor**, with reference to abscisic acid accumulation

L2 ANSWER 14 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
TI AXILLARY BUD FORMATION IN 2 ISOGENIC LINES OF TOMATO LYCOPERSICON-ESCULENTUM SHOWING DIFFERENT DEGREES OF APICAL DOMINANCE.

L2 ANSWER 15 OF 17 BIOSIS COPYRIGHT 2001 BIOSIS
TI APICAL DOMINANCE IN THE TOMATO SOME FURTHER OBSERVATIONS ON ISOGENIC
LINES
SHOWING VARYING DEGREES OF SIDE SHOOT DEVELOPMENT.

L2 ANSWER 16 OF 17 AGRICOLA DUPLICATE 8
TI The effect of the **lateral suppressor** gene on seed
germination in the tomato.

L2 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 9
TI Endogenous growth regulators in relation to side shoot development in the
tomato

=> d 13 ab

L2 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 7
AB Two tomato mutants, flacca and **lateral suppressor**, are
assigned to map position 59 of chromosome 7. The tight linkage between
these 2 gene loci was detected as a result of attempts to establish
whether they would exhibit phenotypic interaction. The possibility that
both mutants result in abnormalities of abscisic acid (ABA) accumulation
is considered. ABA anal. supports the suggestion that plants homozygous
for flacca have a substantially lower concn., but indicates that
lateral suppressor homozygotes do not differ from normal
in ABA content. An attempt is made to reconcile the results with those
of
D. J. Tucker (1976) by suggesting that **lateral
suppressor** plants may accumulate high levels of an ABA metabolite
which is indistinguishable from ABA using the Commelina epidermal strip
bioassay.

=> d 16 ah

'AH' IS NOT A VALID FORMAT
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L2 ANSWER 16 OF 17 AGRICOLA DUPLICATE 8

=> d 16 so

L2 ANSWER 16 OF 17 AGRICOLA DUPLICATE 8
SO Euphytica, Feb 1979 Vol. 28, No. 1. p. 93-97 ill
Publisher: Wageningen, Netherlands Study Circle of Plant Breeding
ISSN: 0014-2336

=> d 17 ab

L2 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 9
AB The endogenous factors controlling lateral bud initiation and development
in the variety Craigella and 2 isogenic lines of this variety, Craigella
Blind and Craigella **Lateral Suppressor**, in both of
which side shoot growth was suppressed to varying degrees, were studied.
Winter- and summer-sown plants were compared. **Lateral
Suppressor** plants contained higher endogenous levels of auxin in

their apices, mature leaves, and stems than did normal plants, but lower levels of cytokinins in all parts except the stem, where the levels were similar in both types. The levels of abscisic acid-like substances were consistently higher in the stems of **Lateral Suppressor** plants than in the corresponding tissue of normal plants, but other plant parts showed a more variable pattern. **Lateral Suppressor** plants contained higher levels of gibberellin than did normal plants. Blind plants contained higher levels of auxin in the apices and stems than did normal plants, but the levels in mature leaves showed no consistent pattern. Higher levels of abscisic acid-like substances were present in the stems and axillary buds of blind plants than in normal plants, again with a more variable pattern in other plant parts. The levels of cytokinins and gibberellins varied considerably between the 2 sowing dates. A possible hormonal mechanism of control of axillary bud development is discussed.

=> s side shoot

L3 101 SIDE SHOOT

=> s l3 and petsple

<-----User Break----->

u

SEARCH ENDED BY USER

=> s l3 and petspl3

L4 0 L3 AND PETSPL3

=> s l4 and transgenic

L5 0 L4 AND TRANSGENIC

=> s s petal formation and transgenic

L6 0 S PETAL FORMATION AND TRANSGENIC

=> s petal formation and transgenic

L7 1 PETAL FORMATION AND TRANSGENIC

=> d ti

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

TI The Ls gene regulating side-shoot, petal and abscission zone formation and

its use in the development of new plant varieties

=> d pi

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9846759	A2	19981022	WO 1998-DE1070	19980415
	WO 9846759	A3	19990128		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,

CM, GA, GN, ML, MR, NE, SN, TD, TG			
DE 19715700	A1	19981022	DE 1997-19715700 19970415
AU 9882060	A1	19981111	AU 1998-82060 19980415
EP 973908	A2	20000126	EP 1998-931930 19980415
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2000512156	T2	20000919	JP 1998-543381 19980415

=> s ls

L8 12057 LS

=> s l8 and plant?

L9 893 L8 AND PLANT?

=> s l9 and (side shoot or petal or abscission

UNMATCHED LEFT PARENTHESIS 'AND (SIDE'

The number of right parentheses in a query must be equal to the number of left parentheses.

=> s l9 and (side shoot or petal or abscission)

L10 6 L9 AND (SIDE SHOOT OR PETAL OR ABSCISSION)

=> dup rem l10

PROCESSING COMPLETED FOR L10

L11 5 DUP REM L10 (1 DUPLICATE REMOVED)

=> d 1-5 ti

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2001 ACS

TI The Lateral suppressor (**Ls**) gene of tomato encodes a new member of the VHIID protein family

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2001 ACS

TI The **Ls** gene regulating **side-shoot**, **petal** and **abscission** zone formation and its use in the development of new **plant** varieties

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2001 ACS

TI In vitro regeneration of shoot and corm from the different explants of *Crocus sativus* L.

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2001 ACS DUPLICATE 1

TI Genetic and physical mapping of the lateral suppressor (**ls**) locus in tomato

L11 ANSWER 5 OF 5 BIOSIS COPYRIGHT 2001 BIOSIS

TI The types among the geographical races and their relationships in *Gossypium arboreum* L.

=> s abscission and transgenic

L12 73 ABSCISSION AND TRANSGENIC

=> s l12 and lateral suppressor

L13 0 L12 AND LATERAL SUPPRESSOR

=> s l12 and ls

L14 1 L12 AND LS

=> d ti

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS

TI The **Ls** gene regulating side-shoot, petal and **abscission**
zone formation and its use in the development of new plant varieties

=> dis his

(FILE 'HOME' ENTERED AT 14:05:32 ON 31 AUG 2001)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 14:05:40 ON 31 AUG 2001

L1 29 S LATERAL SUPPRESSOR
L2 17 DUP REM L1 (12 DUPLICATES REMOVED)
L3 101 S SIDE SHOOT
L4 0 S L3 AND PETSPL3
L5 0 S L4 AND TRANSGENIC
L6 0 S S PETAL FORMATION AND TRANSGENIC
L7 1 S PETAL FORMATION AND TRANSGENIC
L8 12057 S LS
L9 893 S L8 AND PLANT?
L10 6 S L9 AND (SIDE SHOOT OR PETAL OR ABSCISSION)
L11 5 DUP REM L10 (1 DUPLICATE REMOVED)
L12 73 S ABSCISSION AND TRANSGENIC
L13 0 S L12 AND LATERAL SUPPRESSOR
L14 1 S L12 AND LS

=> s l1 and (antisense or anti-sense)

L15 0 L1 AND (ANTISENSE OR ANTI-SENSE)

=> s l1 and ribozyme

L16 0 L1 AND RIBOZYME